Patent

COPY OF PAPERS **ORIGINALLY FILED**

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare tha	As	а	below	named	inventor,	I hereby	declare	that
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Docket No.: <u>004939.P023</u>

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

HIGH-SPEED PHASE FREQUENCY DETECTION MODULE the specification of which is attached hereto. was filed on (MM/DD/YYYY) January 17, 2002 United States Application Number 10/051,416 or PCT International Application Number and was amended on (MM/DD/YYYY) (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my-invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application	, (s)		Priority <u>Claimed</u>	Į	
(Number)	(Country)	(Foreign Filing Date - MM/DD/YYYY)	Yes I	No	
(Number)	(Country)	(Foreign Filing Date - MM/DD/YYYY)	Yes	No	
(Number)	(Country)	(Foreign Filing Date - MM/DD/YYYY)	Yes	No	
I hereby claim the benefit provisional application(s)		tes Code, Section 119(e) of	any United Sta	tes	
(Application Number)	(Filing Date – M	MM/DD/YYYY)			
(Application Number)	(Filing Date - N	(Filing Date – MM/DD/YYYY)			
is not disclosed in the pri of Title 35, United States known to me to be mater Section 1.56 which beca	or United States application Code, Section 112, I ackrication in Code, Section 112, I ackrication in Code in C	ect matter of each of the clai on in the manner provided by nowledge the duty to disclos ed in Title 37, Code of Fede filing date of the prior applic	y the first parag e all information eral Regulations	raph n	
(Application Number)	(Filing Date – MM/D	, ,	nted, ling, abandoned	 t)	
(Application Number)	(Filing Date – MM/D	, ,	nted, ling, abandoned	 (t	
part of this document) as	my respective patent atto on, to prosecute this applic	nereto (which is incorporate rneys and patent agents, wi cation and to transact all bus	th full power of		
Send correspondence	to <u>Tarek N. Fahmi</u>	, BLAKELY, SOF	COLOFF, TAYL	.OR &	
**********	(Name of Attorney or				
		or, Los Angeles, Californi	a 90025 and di	rect	
telephone calls to	arek N. ⊦anmı lame of Attorney or Agen	, (408) 720-8300.			
,,,		-,			

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Second/Joint Inventor Jonathon Chean	
Inventor's Signature	Date
Residence <u>San Diego, California</u> (City, State)	_ Citizenship <u>USA</u> (Country)
Post Office Address 10676 Gracewood Pl. San Diego, California 92130	
Full Name of Second/Joint Inventor Christopher Yong	
Inventor's Signature	Date
Residence San Diego, California (City, State)	Citizenship <u>Malaysia</u> (Country)
Post Office Address <u>7427 Canyon Peak Lane</u> <u>San Diego, California 92126</u>	
Full Name of Third/Soint Inventor Minjie Wu Inventor's Signature A acrof Residence Singapore (City, State)	Date April 19th, 2002 Citizenship People's Republic of China (Country)
Post Office Address BLK752 Woodlands Circle, #11-534 Singapore 730752	
Full Name of Fourth/Joint Inventor	
Inventor's Signature	
Residence(City, State) Post Office Address	Citizenship(Country)

Full Name of Fifth/Joint Inventor	
Inventor's Signature	Date
Residence(City, State	e) Citizenship(Country)
Post Office Address	
Full Name of Sixth/Joint Inventor	
Inventor's Signature	Date
Residence(City, State	Citizenship(Country)
Post Office Address	
Full Name of Seventh/Joint Inventor _	
Inventor's Signature	Date
Residence(City, State	Citizenship(Country)
	(Country)

APPENDIX A

Ramin Aghevli, Reg. No. 43,462; William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; William Thomas Babbitt, Reg. No. 39,591; Jordan Michael Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Jae-Hee Choi, Reg No. 45,288; Thomas M. Coester, Reg. No. 39,637; Robert P. Cogan, Reg. No. 25,049; Donna Jo Coningsby, Reg. No. 41,684; Florin Corie, Reg. No. 46,244; Mimi Diemmy Dao, Reg. No. 45,628; Dennis M. deGuzman, Reg. No. 41,702; Stephen M. De Klerk, Reg. No. 46,503; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Justin M. Dillon, Reg. No. 42,486; Sanjeet Dutta, Reg. No. 46,145; Matthew C. Fagan, Reg. No. 37,542; Tarek N. Fahmi, Reg. No. 41,402; Thomas S. Ferrill, Reg. No. 42,532; George Fountain, Reg. No. 37,374; Andre Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; Melissa A. Haapala, Reg No. 47,622; Alan Heimlich, Reg. No. 48,808; James A. Henry, Reg. No. 41,064; Libby H. Ho, Reg. No. 46,774; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steve Laut, Reg. No. 47,736; George Brian Leavell, Reg. No. 45,436; Samuel S. Lee, Reg. No. 42791; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Julio Loza, Reg. No. 47,758; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, Reg. No. 48,095; Paul A. Mendonsa, Reg. No. 42,879; Clive D. Menezes, Reg. No. 45,493; Richard A. Nakashima, Reg. No. 42,023; Stephen Neal Reg. No. 47,815; Chun M. Ng, Reg. No. 36,878; Thien T. Nguyen, Reg. No. 43,835; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Gregg A. Peacock, Reg. No. 45,001; Marina Portnova, Reg. No. 45,750; Michael A. Proksch, Reg. No. 43,021; Randol W. Read, Reg. No. 43,876; William F. Ryann, Reg. 44,313; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Jeffrey S. Schubert, Reg. No. 43,098; Saina Shamilov, Reg. No. 48,266; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Ronald S. Tamura, Reg. No. 43,179; Edwin H. Taylor, Reg. No. 25,129; Lance A. Termes, Reg. No. 43,184; John F. Travis, Reg. No. 43,203; Kerry P. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,865; Tom Van Zandt, Reg. No. 43,219; Brent Vecchia, Reg No. 48,011; Lester J. Vincent, Reg. No. 31,460; Archana B. Vittal, Reg. No. 45,182; Glenn E. Von Tersch, Reg. No. 41,364; John Patrick Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Charles P. Landrum, Reg. No. 46,855; Suk S. Lee, Reg. No. 47,745; and Raul Martinez, Reg. No. 46,904, Brent E. Vecchia, Reg. No. 48,011; Lehua Wang, Reg. No. P48,023; my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and James R. Thein, Reg. No. 31,710, my patent attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

APPENDIX B

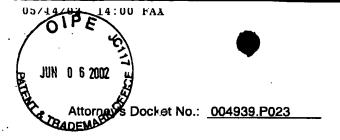
Title 37, Code of Federal Regulations, Section 1.56 <u>Duty to Disclose Information Material to Patentability</u>

- A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
- (1) trestablishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application:
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.
- (e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Prior Foreign Application(s)	L			Priorit Claim	
(Number)	(Country)	(Foreign Filing MM/DD/YY	-	Yes	No
(Number)	(Country)	(Foreign Filing MM/DD/YY		Yes	No
(Numbe/)	(Country)	(Foreign Filing MM/DD/YY		Yes	No
I hereby claim the benefit u provisional application(s) lis		es Code, Section 1	9(e) of any Un	ited S	tates
(Application Number)	(Filing Date - M	M/DD/YYYY)			
(Application Number)	(Filing Date – M	M/DD/YYYY)			
application(s) listed below a is not disclosed in the prior of Title 35, United States C known to me to be material Section 1.56 which became or PCT international filing d	United States application ode, Section 112, I acknot to patentability as define available between the fi	n in the manner proposition in the manner pr	vided by the firs disclose all info of Federal Regi	st para ormati ulation	agraph on ns.
(Application Number)	(Filing Date – MM/DI	O/YYYY) (Status	patented, pending, aba	andon	ed)
(Application Number)	(Filing Date – MM/DI	O/YYYY) (Status	patented, pending, aba	andone	ed)
I hereby appoint the person part of this document) as m substitution and revocation, and Trademark Office conf	y respective patent attor to prosecute this application	neys and patent age	ents, with full po	ower o	of
Send correspondence to	Tarek N. Fahmi (Name of Attorney or A	, BLAKEL	.Y, SOKOLOFF	F, TAY	/LOR &
ZAFMAN LLP, 12400 Wils telephone calls to Tare	hire Boulevard 7th Floo	or, Los Angeles, Ca	alifor nia 90 025).	and (direct



Patent

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

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the specification of which

is attached hereto.

X was filed on (MM/DD/YYYY) January 17, 2002

United States Application Number 10/051,416

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Date 5/10/07
Citizenship USA (Country)
(Country)
Marine Communication (Communication)
Date
Citizenship Malaysia
(Country)
Date
Citizenship People's Republic of China
(Country)
Date
Citizenship(Country)
(Country)

Full Name of Fifth/Joint Invent	or		
Inventor's Signature		Dat	e
Residence(Cit	v State)	Citizenship _	(Country)
Post Office Address			-
Full Name of Sixth/Joint Inven	tor		
Inventor's Signature		Dat	е
Residence(Cit	y, State)	Citizenship _	(Country)
Post Office Address			
Full Name of Seventh/Joint Inv	entor		
Inventor's Signature		Date	e
Residence(City			
Post Office Address			
			

APPENDIX A

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APPENDIX B

Title 37, Code of Federal Regulations, Section 1.56 <u>Duty to Disclose Information Material to Patentability</u>

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- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
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